

Center for MTV Flat Panel Display Technology

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The center is developing innovative technologies for the production of flat panel displays.

Background

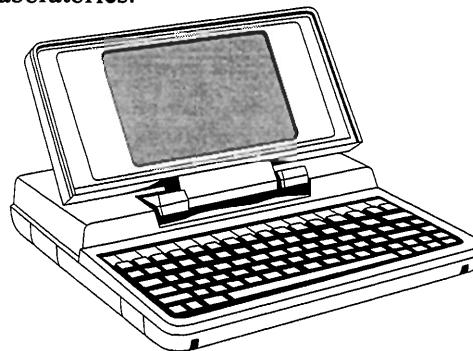
Established in 1995 to study new technologies to in producing flat panel displays for the information (e.g., computer monitors) and entertainment (e.g., television sets) markets. The main focus is to conduct proof-of-principle research on new and emerging potential flat panel display technologies and to evaluate new and existing flat panel display technologies. An additional focus is to create and support applications needed by flat panel display manufacturers especially those located in the State of Utah.

Technology Development Progress

The technology and services provided by the center are in the following areas: (i) prototype development and testing of novel flat panel display technologies; (ii) development of high temperature electronics based on MTV electronics technology; (iii) develop tools to test and evaluate flat panel display technologies; (iv) work with industry (especially those located in Utah) in addressing and supporting their flat panel display technology needs; and (v) develop new and novel flat panel display core technologies.

Highlights and Accomplishments

Developed a new, enhanced flat panel display for which a patent application has been submitted. Established a close working relationship with a local company involved in flat panel display development. A new company has been established with an option to license the flat panel display technology. Received Department of Energy funding to investigate another spin-off technology for micro-energy converters under a collaborative development effort with Sandia National Laboratories.



A primary application for MTV flat panels would be laptop displays

Summary Data:

Current

1996-97 Award	\$125,000
Matching Funds	\$303,000
Patents Pending	2
Patents Issued	1
License Agreements	1
Spin-off Companies	1
Companies Assisted	10
Industry Jobs	15
Center Jobs Created	16

Cumulative

Awards	\$190,000
Matching Funds	\$ 722,655
Patents Issued	1
License Agreements	1
Spin-off Companies	1